EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	349	703/26.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/07/20 10:44
L2	529	703/27.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/07/20 11:11
L3	490	703/23.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/07/20 11:11

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	40	((virtual adj machine$1) and simulat$3).clm.	US-PGPUB	OR	OFF	2006/07/20 12:09

☐ **Search Results** BROWSE SEARCH IEEE XPLORE GUIDE SUPPORT

Results for "(((virus or antivirus or anti-virus)<and>emulat*)) <and> (pyr >= 1951 <and> pyr..." ✉ e-mail 🖶 printer friendly
Your search matched **43** of **1373978** documents.
A maximum of **500** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» **Search Options**

View Session History

New Search

» **Key**

📖 Indicates full text access

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Modify Search

(((virus or antivirus or anti-virus)<and>emulat*)) <and> (pyr >= 1951 <and> pyr <= 20 [Search ➤]

☐ Check to search only within this results set

Display Format: ⦿ Citation ○ Citation & Abstract

[view selected items] **Select All Deselect All** **1-25** | 26-43

☐ 1. **The Virus Encyclopedia: reaching a new level of information comfort**
Ashmanov, I.; Kasperskaya, N.;
Multimedia, IEEE
Volume 6, Issue 3, July-Sept. 1999 Page(s):81 - 84
Digital Object Identifier 10.1109/93.790614

Abstract | Full Text: PDF(508 KB) **IEEE JNL**
Rights and Permissions

☐ 2. **A distributed architecture for an adaptive computer virus immune system**
Marmelstein, R.E.; Van Veldhuizen, D.A.; Lamont, G.B.;
Systems, Man, and Cybernetics, 1998. 1998 IEEE International Conference on
Volume 4, 11-14 Oct. 1998 Page(s):3838 - 3843 vol.4
Digital Object Identifier 10.1109/ICSMC.1998.726686

Abstract | Full Text: PDF(560 KB) **IEEE CNF**
Rights and Permissions

☐ 3. **Poison Java [data security]**
Chen, E.;
Spectrum, IEEE
Volume 36, Issue 8, Aug. 1999 Page(s):38 - 43
Digital Object Identifier 10.1109/6.780997

Abstract | Full Text: PDF(660 KB) **IEEE JNL**
Rights and Permissions

☐ 4. **A generic virus detection agent on the Internet**
Jieh-Sheng Lee; Jieh Hsiang; Po-Hao Tsang;
System Sciences, 1997, Proceedings of the Thirtieth Hawaii International Conference on
Volume 4, 7-10 Jan. 1997 Page(s):210 - 219 vol.4
Digital Object Identifier 10.1109/HICSS.1997.663390

Abstract | Full Text: PDF(1140 KB) **IEEE CNF**
Rights and Permissions

☐ 5. **Neural-network speech processing for toys and consumer electronics**
Mozer, M.C.;
Expert, IEEE [see also IEEE Intelligent Systems and Their Applications]
Volume 11, Issue 4, Aug. 1996 Page(s):4
Digital Object Identifier 10.1109/MEX.1996.511767

Abstract | Full Text: PDF(288 KB) **IEEE JNL**
Rights and Permissions

☐ 6. **Agent-based simulation approach to information warfare in the SEAS environment**
Chaturvedi, A.R.; Gupta, M.; Mehta, S.R.; Yue, W.T.;
System Sciences, 2000. Proceedings of the 33rd Annual Hawaii International Conference on
Jan 4-7 2000 Page(s):10 pp. vol.1

Abstract | Full Text: PDF(508 KB)   IEEE JNL
Rights and Permissions

24. **PicoJava: a direct execution engine for Java bytecode**
Abstract | Full Text: PDF(312 KB)   IEEE JNL
Rights and Permissions

25. **From busyware to stableware**
Abstract | Full Text: PDF(184 KB)   IEEE JNL
Rights and Permissions

Scholar

Results **1 - 10** of about **835** for **virus emulate**. (0.10 seconds)

All articles Recent articles

Computer **virus**-antivirus coevolution - group of 18 »
C Nachenberg - Communications of the ACM, 1997 - portal.acm.org
... tine that used 80286-specific machine-language instruc- tions, then the 80486 CPU
emulator might be unable to properly **emulate** and decrypt the **virus**. ...
Cited by 31 - Web Search - BL Direct

... microscopy predicts an envelope-associated icosadeltahedral capsid for human immunodeficiency **virus** ...
PA Marx, RJ Munn, KI Joy - Lab Invest, 1988 - ncbi.nlm.nih.gov
Computer **emulation** of thin section electron microscopy predicts an envelope-associated
icosadeltahedral capsid for human immunodeficiency **virus**. ...
Cited by 12 - Web Search

A generic **virus** detection agent on the Internet - group of 2 »
JS Lee, J Hsiang, PH Tsang - System Sciences, 1997, Proceedings of the Thirtieth Hawaii ..., 1997 - ieeexplore.ieee.org
... The **Virus** Instruction Code **Emulation** (VICE) Methodology A. Motivation The combination
of scan and trap tools is the most common weapon against viruses among ...
Cited by 2 - Web Search - BL Direct

The **Virus** Encyclopedia: reaching a new level of information comfort - group of 2 »
I Ashmanov, N Kasperskaya - Multimedia, IEEE, 1999 - ieeexplore.ieee.org
... For some interesting viruses the Kaspersky Lab **virus** researchers save screensliots
or write simple demo programs that **emulate virus** effects on the screen (see ...
Web Search - BL Direct

Chemotherapy and vaccination: a possible strategy for the control of highly virulent influenza **virus** ... - group of 7 »
RG Webster, Y Kawaoka, WJ Bean, CW Beard, M Brugh - Journal of Virology, 1985 - jvi.asm.org
... of Highly Virulent Influenza **Virus** ... The influenza A **virus** [A/Chicken/Pennsylvania/
1370/83 (H5N2)] that caused up to 80% mortality among ...
Cited by 6 - Web Search

[BOOK] Inventing the AIDS **Virus**
PH Duesberg - 1997 - books.google.com
... KARY MULLIS Page 2. Inventing the AIDS **Virus** .. ...1lllllii••——• jl Page 3. INVENTING
THE AIDS **VIRUS** Dr. Peter Duesberg REGNERY PUBLISHING, INC. ...
Cited by 39 - Web Search - Library Search

Aujeszky's disease **virus**: opportunities and challenges - group of 4 »
FA Zuckermann - Vet. Res, 2000 - edpsciences.org
... These include recombinant swinepox **virus**, vaccinia **virus** and replica- tion deficient ...
that the effectiveness of DNA vaccination can be made to **emulate** the level ...
Cited by 12 - Web Search

AI trends in **virus** control
I Qasem, H Yaghi - Southeastcon'91., IEEE Proceedings of, 1991 - ieeexplore.ieee.org
... (omputer **virus** programs have the abilities to exhibit paths in ... Expert systems are
computer programs that try to **emulate** human experts in solving problems. ...
Web Search

Spread the word, but only intentionally. - group of 2 »
EO Neale - Medicine & Science in Sports & Exercise, 1997 - ms-se.com
... Microsoft Excel. Competing software products that **emulate** the Word macro
language are spreading the **virus** as well. Macro viruses ...

Outburst! A Chilling True Story about Emerging-**Virus** Narratives and Pandemic Social Change - group of 2 »

H Schell - Configurations, 1997 - muse.jhu.edu
... Not only Preston but several other of the popular science writers try somewhat to
emulate scientific **virus** hunters, possibly because viruses in Africa are more ...
Cited by 4 - Web Search - BL Direct

Gooooooooooogle ▶

Result Page: **1** 2 3 4 5 6 7 8 9 10   **Next**

| virus emulate | Search |

Google Home - About Google - About Google Scholar

©2006 Google

Scholar

Results **1** - **10** of about **339** for <u>virus</u> <u>emulation</u>. (0.10 seconds)

All articles Recent articles

Computer <u>virus</u>-antivirus coevolution - <u>group of 18 »</u>
C Nachenberg - Communications of the ACM, 1997 - portal.acm.org
... viruses. The GD scanner is comprised of a CPU **emulator**, a **virus** signature
scanner, and an **emulation** control module (ECM). When the ...
<u>Cited by 31</u> - <u>Web Search</u> - <u>BL Direct</u>

Computer <u>emulation</u> of thin section electron microscopy predicts an envelope-associated ...
PA Marx, RJ Munn, KI Joy - Lab Invest, 1988 - ncbi.nlm.nih.gov
Computer **emulation** of thin section electron microscopy predicts an envelope-associated
icosadeltahedral capsid for human immunodeficiency **virus**. ...
<u>Cited by 12</u> - <u>Web Search</u>

AUTOMATICALLY GENERATED WIN32 HEURISTIC **VIRUS** DETECTION - <u>group of 6 »</u>
W Arnold, G Tesauro - **VIRUS**, 2000 - madchat.org
... decrypted regions of viruses run under **emulation**, if the detector would be used
in a **virus** scanner capable of running Win32 executables under **emulation**. ...
<u>Cited by 9</u> - <u>View as HTML</u> - <u>Web Search</u>

[PS] <u>Dynamic detection and classification of computer viruses using general behaviour patterns</u> - <u>group of 7 »</u>
B Le Charlier, A Mounji, M Swimmer, VT Center - ... of Fifth International **Virus** Bulletin Conference, Boston, ..., 1995 -
info.fundp.ac.be
... be stopped too. The **emulation** is \safe" because the running **virus** has
no access to the host machine at all. This is because the ...
<u>Cited by 4</u> - <u>View as HTML</u> - <u>Web Search</u>

ATTACKS ON WIN32–PART II - <u>group of 24 »</u>
P Ször - **VIRUS**, 2000 - madchat.org
... extremely slow. (Cryptographic methods detect the **virus** without
emulation/or partial **emulation** only using the X-RAY technique.) ...
<u>Cited by 3</u> - <u>View as HTML</u> - <u>Web Search</u>

A generic <u>virus</u> detection agent on the Internet - <u>group of 2 »</u>
JS Lee, J Hsiang, PH Tsang - System Sciences, 1997, Proceedings of the Thirtieth Hawaii ..., 1997 - ieeexplore.ieee.org
... The **Virus** Instruction Code **Emulation** (VICE) Methodology A. Motivation The combination
of scan and trap tools is the most common weapon against viruses among ...
<u>Cited by 2</u> - <u>Web Search</u> - <u>BL Direct</u>

Methods in laboratory investigation: computer <u>emulation</u> of thin section electron microscopy predicts ...
PA MARX, RJ MUNN, KI JOY - Laboratory investigation, 1988 - cat.inist.fr
... investigation: computer **emulation** of thin section electron microscopy predicts an
envelope-associated icosadeltahedral capsid for human immunodeficiency **virus**. ...
<u>Cited by 1</u> - <u>Web Search</u>

Randomized <u>emulation</u> of empirical systems
AD Allen, A Inc, CA Northridge - Systems, Man and Cybernetics, 1990. Conference Proceedings., ..., 1990 - ieeexplore.ieee.org
... was strongly nonlinear and based on the known biological properties of the **virus**. ...
natural, I used a technique that might be called "random **emulation**, and in ...
<u>Web Search</u>

[CITATION] Design of ATM circuit **emulation** service terminal adaptor
TL Kao, YC Lee, KT Wu - Microprocessors and Microsystems, 2000
... The asynchronous transfer mode (ATM) Circuit **Emulation** Service (CES) terminal adapter
(TA ... l.; Dinari, G.; Tur-Kaspa, R., "Transfusion-transmitted **virus** in liver ...
<u>Cited by 1</u> - <u>Web Search</u>

Gooooooooogle ▶

| virus emulation | Search |

Google Home - About Google - About Google Scholar

©2006 Google

Google Scholar BETA

virus emulator | 1951 - 2000 | Search

Scholar

Results **1 - 10** of about **60** for **virus emulator**. (0.10 seconds)

All articles Recent articles

Computer **virus**-antivirus coevolution - group of 18 »
C Nachenberg - Communications of the ACM, 1997 - portal.acm.org
... viruses. The GD scanner is comprised of a CPU **emulator**, a **virus** signature
scanner, and an emulation control module (ECM). When the ...
Cited by 31 - Web Search - BL Direct

[PS] Dynamic detection and classification of computer viruses using general behaviour patterns - group of 7 »
B Le Charlier, A Mounji, M Swimmer, VT Center - ... of Fifth International **Virus** Bulletin Conference, Boston, ..., 1995 -
info.fundp.ac.be
... The example is from an audit trail of the Vienna **virus**. ... In the next section, we show
how the activity data produced by the **emulator** is analyzed using ASAX. ...
Cited by 4 - View as HTML - Web Search

AUTOMATICALLY GENERATED WIN32 HEURISTIC **VIRUS** DETECTION - group of 6 »
W Arnold, G Tesauro - **VIRUS**, 2000 - madchat.org
... Examples include discovery of features in **virus** scanner **emulator** traces, in
real-time scanner audit trails, and in system audit trails. Page 9. ...
Cited by 9 - View as HTML - Web Search

A generic **virus** detection agent on the Internet - group of 2 »
JS Lee, J Hsiang, PH Tsang - System Sciences, 1997, Proceedings of the Thirtieth Hawaii ..., 1997 - ieeexplore.ieee.org
... In this paper we describe a generic **virus** detection method Our method employs
two main mechanisms, an **emulator** and a **virus** analyzer. ...
Cited by 2 - Web Search - BL Direct

ATTACKS ON WIN32–PART II - group of 24 »
P Ször - **VIRUS**, 2000 - madchat.org
... Some **virus** writers also introduced anti-emulation techniques against the
strongest component of the anti-**virus** product: the **emulator**. ...
Cited by 3 - View as HTML - Web Search

Future Trends in **Virus** Writing - group of 3 »
V BONTCHEV - International Review of Law, Computers & Technology, 1997 - Taylor & Francis
... Probably the most effective is to use some kind of **emulator**, which interprets the
decryption routine until the **virus** body is decrypted, and then to apply some ...
Cited by 2 - Web Search - BL Direct

STRIPPING DOWN AN AVENGINE - group of 4 »
I Muttik - **VIRUS**, 2000 - download.nai.com
... which actions are really performed (that is simulation of a **virus** execution in a
virtual environment, frequently called a 'sandbox' or an **emulator** buffer). ...
Cited by 3 - View as HTML - Web Search

An immune system for cyberspace - group of 2 »
JO Kephart, GB Sorkin, M Swimmer - Systems, Man, and Cybernetics, 1997.'Computational ..., 1997 - ieeexplore.ieee.org
... it. The system is being in- tegrated with a commercial anti-**virus** product,
IBM ... ftp. However, suppose a **virus** infected a mobile agent. ...
Cited by 10 - Web Search - BL Direct

Blueprint for a Computer Immune System - group of 3 »
JO Kephart, GB Sorkin, M Swimmer, SR White - Proceedings of the **Virus** Bulletin International Conference, ..., 1997 -
research.ibm.com
... So, file and boot **virus** samples are sent to an **emulator** (or to a real machine running
the appropriate platform), Microsoft Word macro viruses to a WindowsNT ...
Cited by 27 - Cached - Web Search

Vulnerabilities in pure software security systems - group of 5 »
R Bjones, S Hoeben - Utimaco SoftwareAG, 2000 - utimaco.pl
... that allows you to do very advanced commands - as with the **emulators** - but which ...
hacker could also use deployment concepts like the ones used by **virus** builders ...
Cited by 1 - View as HTML - Web Search

Goooooogle ▶

virus emulator	Search

Google Home - About Google - About Google Scholar

THE ACM DIGITAL LIBRARY

■< Feedback Report a problem Satisfaction survey

Published before December 2000
Terms used **virus** **antivirus** **anti** **virus** **emulator** **emulation**

Found **611** of **116,237**

Sort results by `relevance ▼`
Display results `expanded form ▼`

◆ Save results to a Binder
? Search Tips
□ Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200
Best 200 shown

Result page: **1** 2 3 4 5 6 7 8 9 10 next

Relevance scale □▭▬■■

1 Computer virus-antivirus coevolution ▬
Carey Nachenberg
January 1997 **Communications of the ACM**, Volume 40 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(317.53 KB)   Additional Information: full citation, citings, index terms, review

2 Interposition agents: transparently interposing user code at the system interface ▬
Michael B. Jones
December 1993 **ACM SIGOPS Operating Systems Review , Proceedings of the fourteenth ACM symposium on Operating systems principles SOSP '93**, Volume 27 Issue 5
Publisher: ACM Press
Full text available: 📄 pdf(1.55 MB)   Additional Information: full citation, abstract, references, citings, index terms

Many contemporary operating systems utilize a system call interface between the operating system and its clients. Increasing numbers of systems are providing low-level mechanisms for intercepting and handling system calls in user code. Nonetheless, they typically provide no higher-level tools or abstractions for effectively utilizing these mechanisms. Using them has typically required reimplementation of a substantial portion of the system interface from scratch, making the use of such facilitie ...

3 HEmut-PoliCaza: introducing Ada in the university through PC anti-virus software development ▬
Alvaro Hermida
December 1992 **Proceedings of the conference on TRI-Ada '92**
Publisher: ACM Press
Full text available: 📄 pdf(784.32 KB)   Additional Information: full citation, references, index terms

4 A bit of viral protection is worth a megabyte of cure ▭
Tim Fitzgerald
June 1995 **ACM SIGUCCS Newsletter**, Volume 25 Issue 1-2
Publisher: ACM Press
Full text available: 📄 pdf(427.33 KB)   Additional Information: full citation, abstract, index terms

Even in today's world of safeguarded networks and advanced detection software, computer viruses are still running amok in some of the seedier niches of cyberspace and hiding out on unclean disks and unprotected hard drives. Speculative rumors of wide-spread epidemics have only added to the confusion as computer users all over the world

wonder if their systems are at risk and if there is any way to shield themselves from these stealth operatives of electronic malfeasance.

5 Two years of experience with a &mgr;-Kernel based OS

Jochen Liedtke, Ulrich Bartling, Uwe Beyer, Dietmar Heinrichs, Rudolf Ruland, Gyula Szalay
April 1991 **ACM SIGOPS Operating Systems Review**, Volume 25 Issue 2
Publisher: ACM Press
Full text available: pdf(829.22 KB)   Additional Information: full citation, abstract, citings, index terms

This paper describes the basic components of the L3 operating system and the experiences of the first two years using it. The system results from scientific research, but is addressed to commercial application. It is based on a small kernel handling tasks, threads and dataspaces. User level device drivers and file systems are described as examples of flexible OS services realized outside the kernel.

6 The structure and performance of interpreters

Theodore H. Romer, Dennis Lee, Geoffrey M. Voelker, Alec Wolman, Wayne A. Wong, Jean-Loup Baer, Brian N. Bershad, Henry M. Levy
September 1996 **ACM SIGPLAN Notices , ACM SIGOPS Operating Systems Review , Proceedings of the seventh international conference on Architectural support for programming languages and operating systems ASPLOS-VII**, Volume 31 , 30 Issue 9 , 5
Publisher: ACM Press

Full text available: pdf(1.17 MB)   Additional Information: full citation, abstract, references, citings, index terms

Interpreted languages have become increasingly popular due to demands for rapid program development, ease of use, portability, and safety. Beyond the general impression that they are "slow," however, little has been documented about the performance of interpreters as a class of applications.This paper examines interpreter performance by measuring and analyzing interpreters from both software and hardware perspectives. As examples, we measure the MIPSI, Java, Perl, and Tcl interpreters running an ...

7 Teaching an old bard new tricks: Shakespeare Interactive Archive

Lee Ridgway
June 1995 **ACM SIGUCCS Newsletter**, Volume 25 Issue 1-2
Publisher: ACM Press
Full text available: pdf(230.89 KB)   Additional Information: full citation, abstract, index terms

The Shakespeare Interactive Archive is the rather unassuming name of a multimedia project whose ambition is to be a model for the future in Shakespearian studies. Its creator, Peter Donaldson, Professor of Literature, envisions this computer-based project as a comprehensive, international archive that networks as many libraries and resources as possible. Textual, visual, and moving image files would all be linked.

8 Consulting through electronic mail

Elizabeth R. Pohlhaus
November 1997 **Proceedings of the 25th annual ACM SIGUCCS conference on User services: are you ready?**
Publisher: ACM Press
Full text available: pdf(814.86 KB)   Additional Information: full citation, index terms

9 Risks to the public in computers and related systems

Peter G. Neumann
July 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 4
Publisher: ACM Press
Full text available: pdf(809.60 KB)   Additional Information: full citation, index terms

10 Dynabook revisited—portable computers past, present and future

Larry Press

March 1992 **Communications of the ACM**, Volume 35 Issue 3

Publisher: ACM Press

Full text available: pdf(2.18 MB)   Additional Information: full citation, references, citings, index terms

11 Migrating to Linux, Part 1: Linux--not just for hackers anymore...

Norman M. Jacobowitz

August 1998 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.

Full text available: html(13.16 KB)   Additional Information: full citation, index terms

12 Distributed pursuit-evasion: some aspects of privacy and security in distributed computing

P. Spirakis, B. Tampakas

August 1994 **Proceedings of the thirteenth annual ACM symposium on Principles of distributed computing**

Publisher: ACM Press

Full text available: pdf(110.39 KB)   Additional Information: full citation, references, citings, index terms

13 Computational mail as network infrastructure for computer-supported cooperative work

Nathanial S. Borenstein

December 1992 **Proceedings of the 1992 ACM conference on Computer-supported cooperative work**

Publisher: ACM Press

Full text available: pdf(911.62 KB)   Additional Information: full citation, references, citings, index terms

Keywords: CSCW infrastructure, active mail, electronic mail, portability, security

14 Emulation of the IBM system/360 on a microprogrammable computer

George R. Trimble

September 1974 **Conference record of the 7th annual workshop on Microprogramming**

Publisher: ACM Press

Full text available: pdf(821.51 KB)   Additional Information: full citation, abstract, references, index terms

In recent months, several microprogrammable computers (MCs) have become available. By development of a suitable microprogram, it is possible to extend the basic instruction set of an MC to include special purpose instructions designed to facilitate the processing of a frequently executed application. This paper presents the results of a study of the technical and economic feasibility of the development of an S/360 emulator on an MC. It was concluded that such an emulator could be ...

15 The PRIM system: An alternative architecture for emulator development and use

Joel Goldberg, Alvin Cooperband, Louis Gallenson

September 1977 **ACM SIGMICRO Newsletter , Proceedings of the 10th annual workshop on Microprogramming MICRO 10**, Volume 8 Issue 3

Publisher: IEEE Press, ACM Press

Full text available: pdf(662.26 KB)   Additional Information: full citation, abstract, references, citings, index terms

The architecture of PRIM is unique in coupling a powerful microprogrammable machine (the Standard Computer Corporation MLP-900) to a modern general-purpose computing

system (the DEC PDP-10). The TENEX timesharing system running in the PDP-10 is responsible for scheduling use of the MLP-900. Emulator microcode runs in the MLP-900 under the control of a small resident executive that swaps its users and mediates references to PDP-10 services and shared memory. The PRIM system in the PDP-10 (al ...

16 Contemporary Concepts of Microprogramming and Emulation

Robert F. Rosin
December 1969 **ACM Computing Surveys (CSUR)**, Volume 1 Issue 4

Publisher: ACM Press

Full text available: pdf(1.40 MB)   Additional Information: full citation, references, citings, index terms

17 NeuroAnimator: fast neural network emulation and control of physics-based models

Radek Grzeszczuk, Demetri Terzopoulos, Geoffrey Hinton
July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**

Publisher: ACM Press

Full text available: pdf(28.26 MB)   Additional Information: full citation, references, citings, index terms

Keywords: backpropagation, dynamical systems, learning, motion control, neural networks, physics-based animation, simulation

18 The design of an emulator for a parallel machine language

Victor R. Lesser
May 1973 **ACM SIGPLAN Notices , Proceedings of the meeting on SIGPLAN/SIGMICRO interface**, Volume 9 Issue 8

Publisher: ACM Press

Full text available: pdf(981.38 KB)   Additional Information: full citation, abstract, references, index terms

A paradigm is developed for structuring a complex emulator operating in a parallel hardware environment. This paradigm is based on the view that a complex emulator is best structured as of a set of microprocesses, each performing a small independent task, that interact in a closely-coupled manner. This is in contrast to the conventional method of structuring an emulator as a set of subroutines with a sequential flow of control among them. The design of an emulator for a parallel machine lan ...

19 The role of emulation in performance measurement and evaluation

Liba Svobodova, Roy Mattson
March 1976 **Proceedings of the 1976 ACM SIGMETRICS conference on Computer performance modeling measurement and evaluation**

Publisher: ACM Press

Full text available: pdf(840.52 KB)   Additional Information: full citation, abstract, references, citings, index terms

Emulation of systems makes it possible to combine the predictive power of simulation with the advantages of measurement carried under a real system workload. An emulator is a microprogrammed implementation of the basic hardware machine. It can be easily instrumented to collect performance statistics on the instruction set processor (ISP) level and support performance measurement of different configurations and software of the emulated system. This paper describes the monitoring capabilities ...

20 Emulation of large systems

S. G. Tucker
December 1965 **Communications of the ACM**, Volume 8 Issue 12

Publisher: ACM Press

Full text available: pdf(1.23 MB)   Additional Information: full citation, citings, index terms

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.
<u>Terms of Usage</u>   <u>Privacy Policy</u>   <u>Code of Ethics</u>   <u>Contact Us</u>

Useful downloads: <u>Adobe Acrobat</u>   <u>QuickTime</u>   <u>Windows Media Player</u>   <u>Real Player</u>